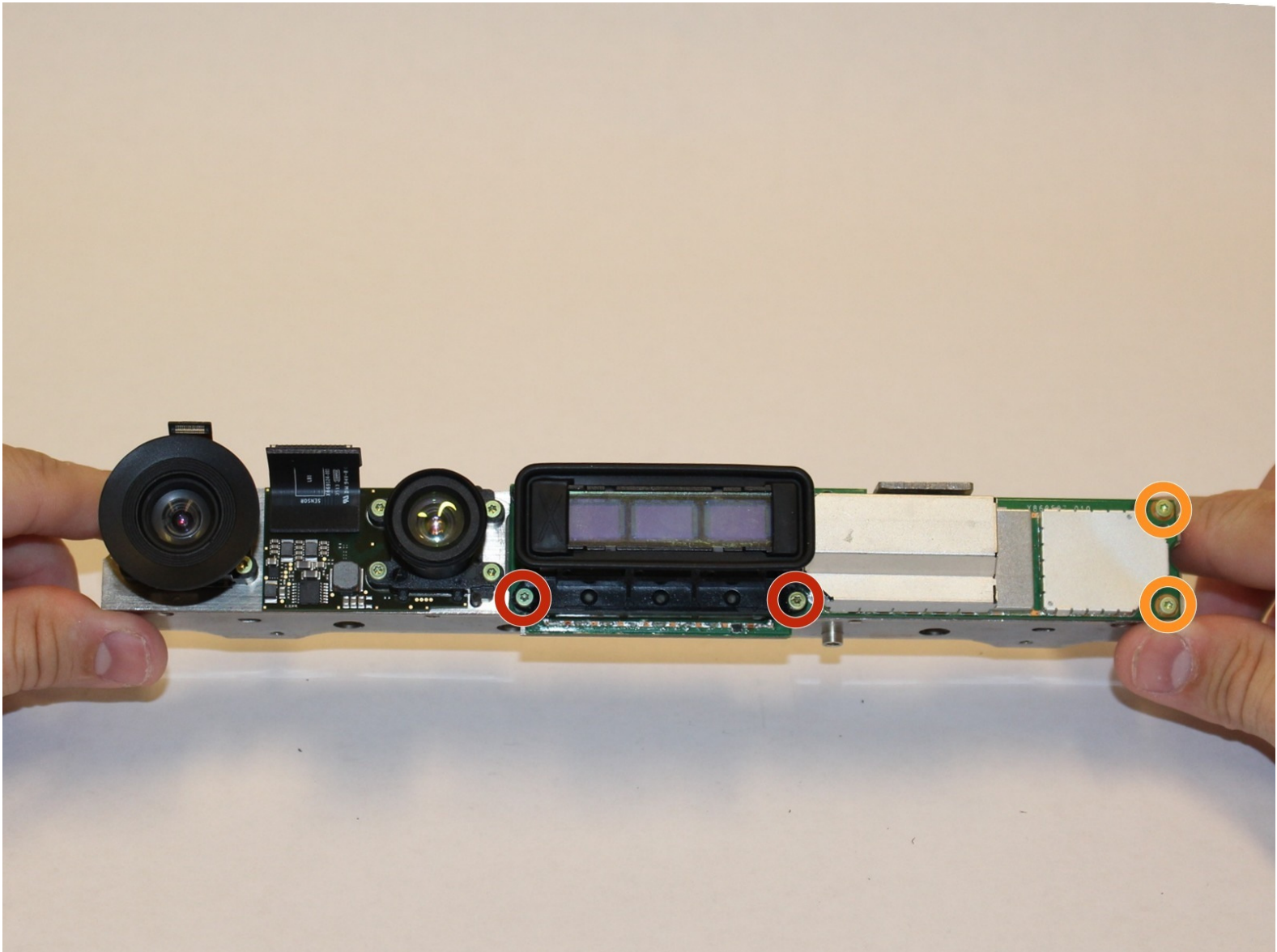




Xbox One Kinect Infrared Blasters Replacement

This guide details how to replace the infrared blasters attached to the heat sink inside the device.

Written By: Jonathan Samuelson



INTRODUCTION

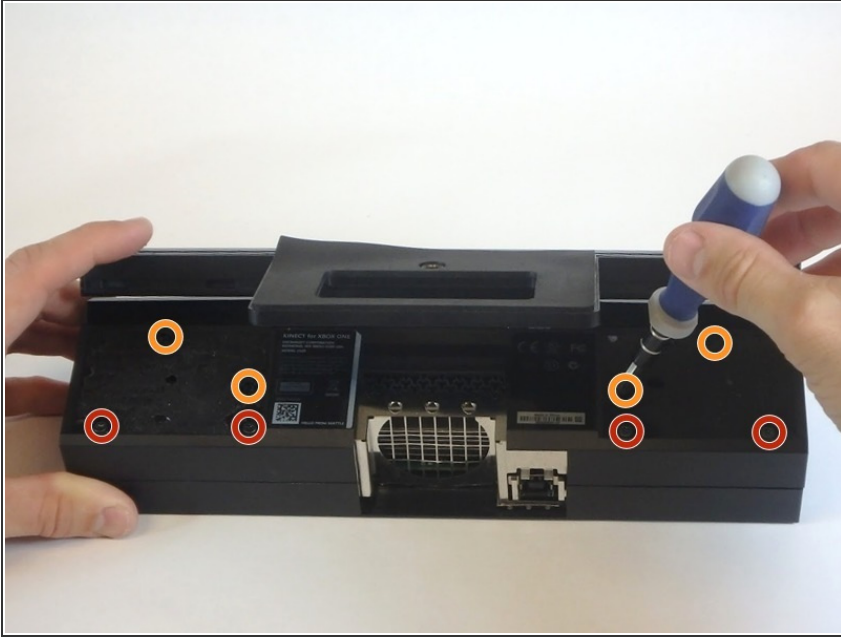
Infrared blasters emulate an IR signal. This is used to remote-control other equipment in the vicinity of the Kinect. The IR blasters are mounted on the heat sink inside the Kinect.



TOOLS:

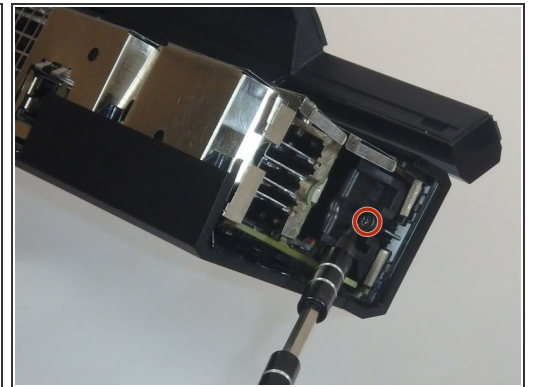
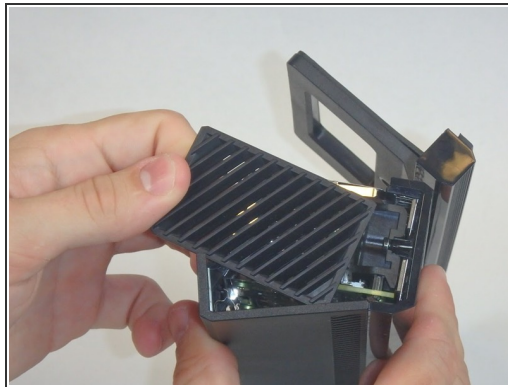
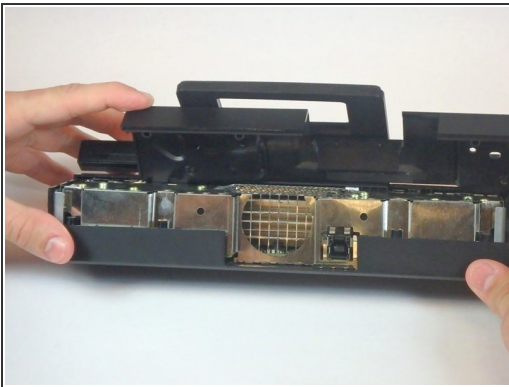
- [Spudger](#) (1)
 - [T5 Torx Screwdriver](#) (1)
 - [T9 Torx Screwdriver](#) (1)
-

Step 1 — Outer Shell



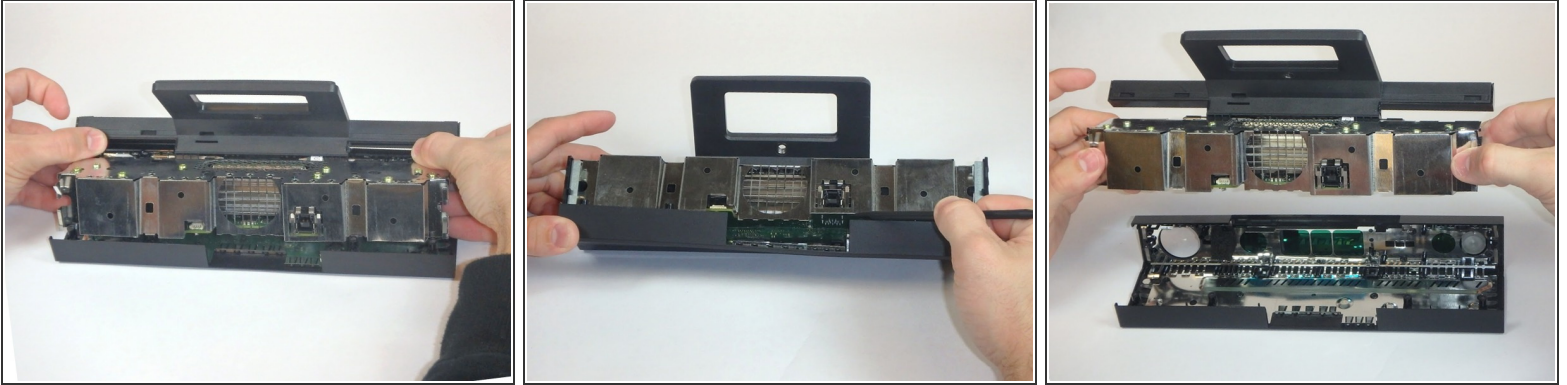
- Remove the sticker on the underside of the device.
- Remove the four 3.1x7.7 mm T9 screws underneath the sticker.
- While you're at it, remove the four 3.1x23.6 mm T9 screws beneath the sticker. Make note of the sizes and locations of the screws.

Step 2



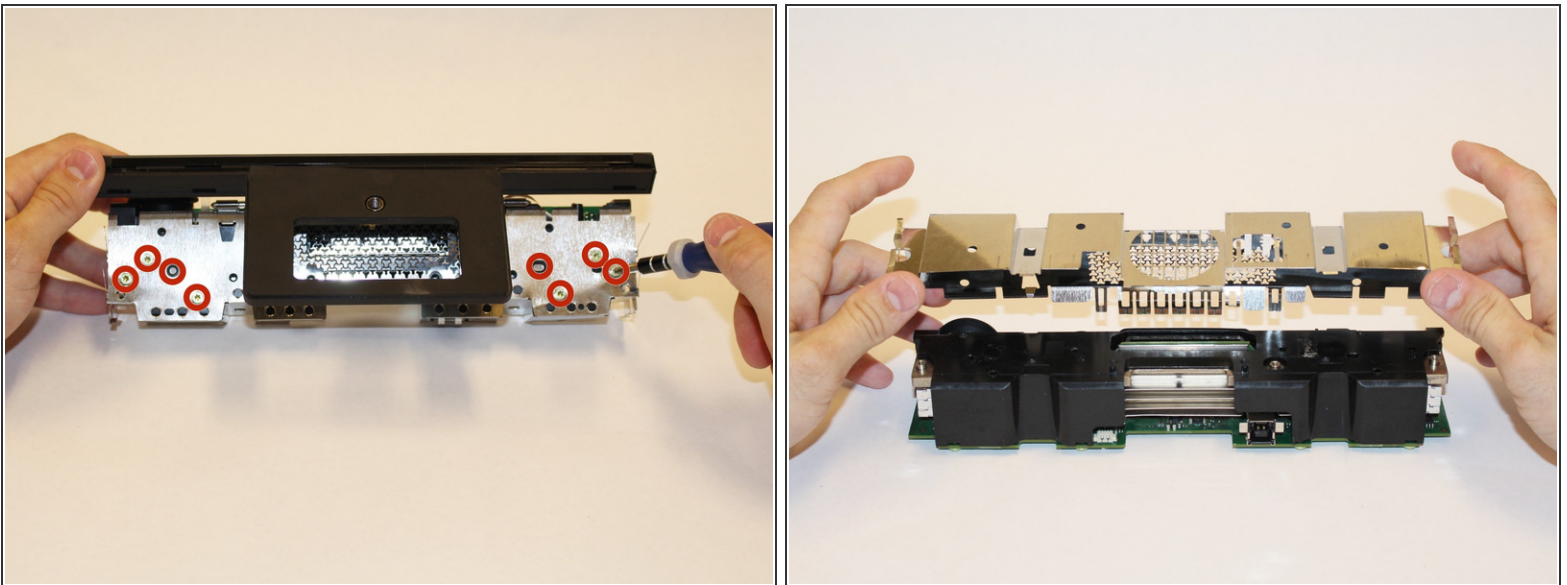
- Remove the back panel.
- Remove the black panels on either side of the Kinect, and remove the 3.1x7.7 mm T9 screws underneath them.

Step 3



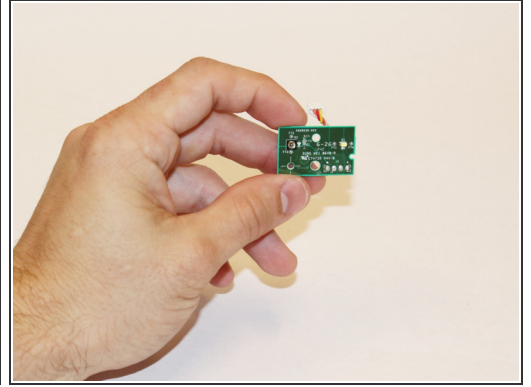
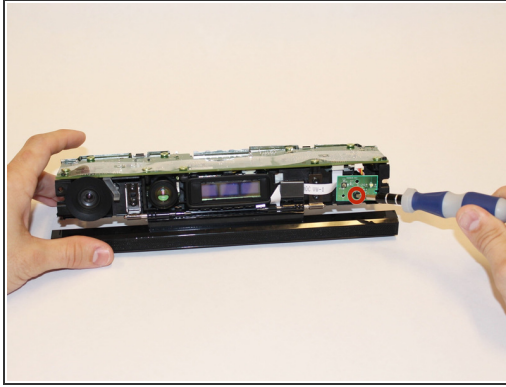
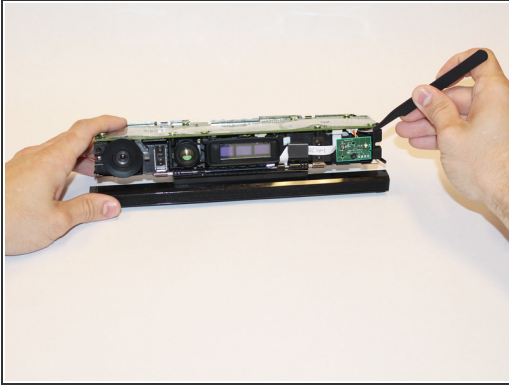
- Using your thumbs, press firmly against the outer case on either side of the stand. This will disengage the internal assembly.
- Lift the internal assembly with the spudger.
- Remove the assembly from the case. You now have access to the inner shell of the kinect, along with the heat sink, microphone, and LED sensor.

Step 4 — Heat Sink Assembly



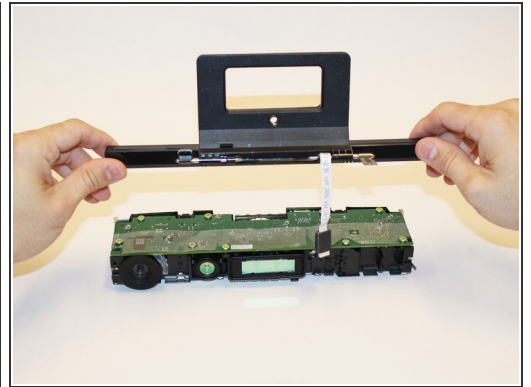
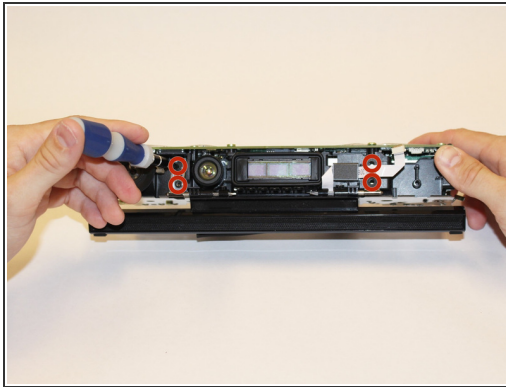
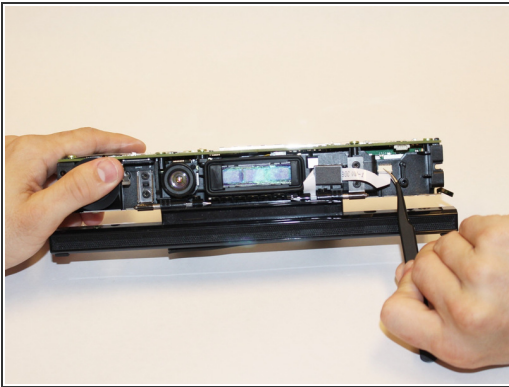
- Remove the eight 2.9x7.6 mm T9 screws from the rear of the internal case.
- Lift the internal metal case from the plastic shell enclosing the heat sink assembly.

Step 5



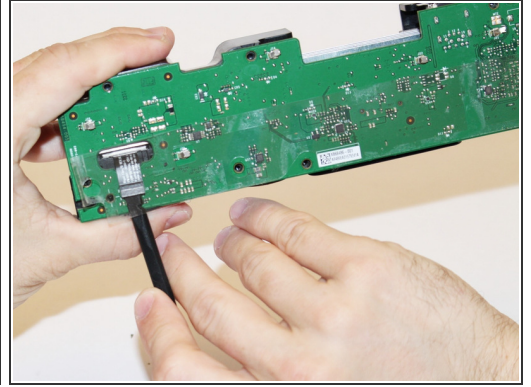
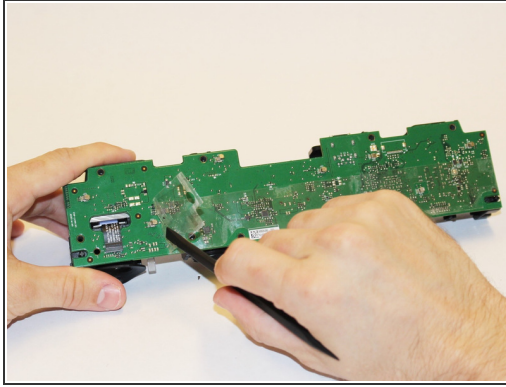
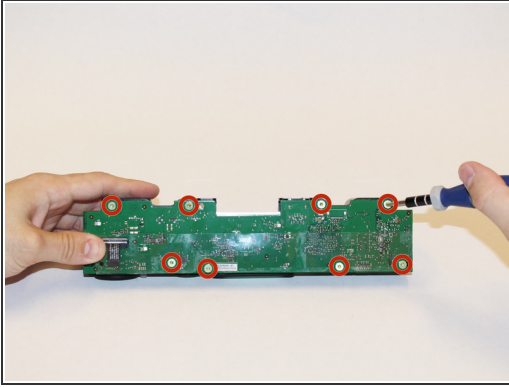
- Disconnect the ribbon cable between the sensor driver board and the motherboard.
- Remove the 3.0x7.5 mm T9 screw holding the sensor driver board to the heat sink.
- Remove the infrared sensor board for the Kinect.

Step 6



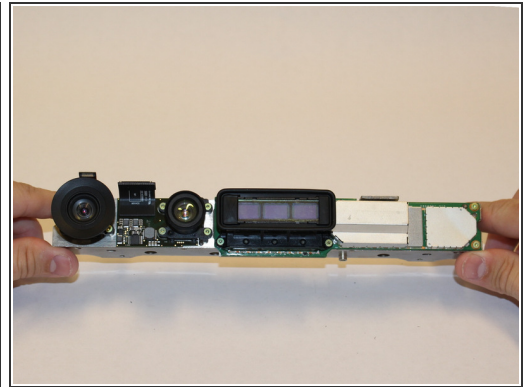
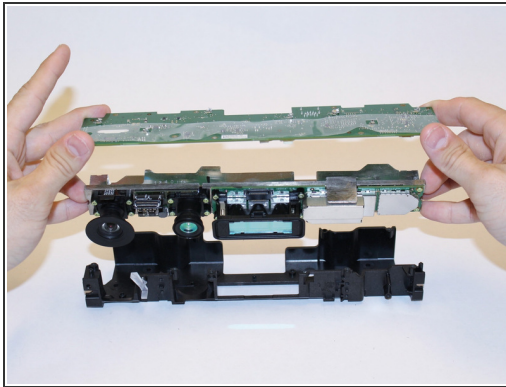
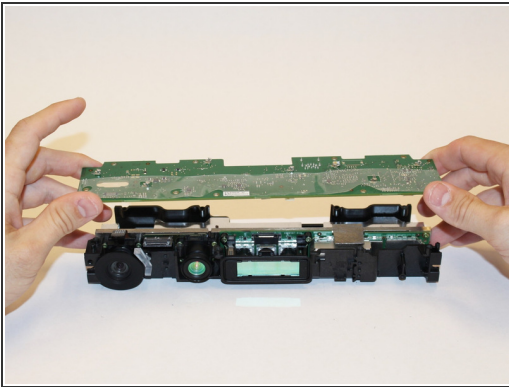
- Detach the ribbon cable leading to the microphone with the tweezers.
- Remove the four 3.1x7.7 mm T9 screws connecting the microphone to the heat sink assembly.
- Remove the stand.

Step 7



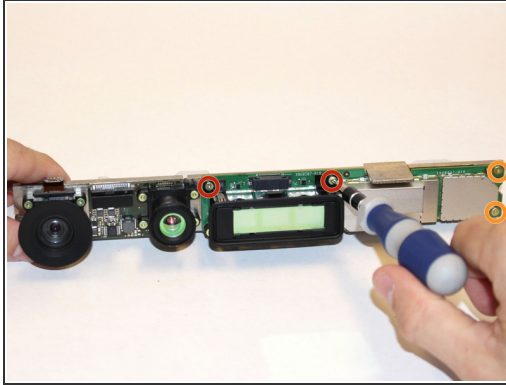
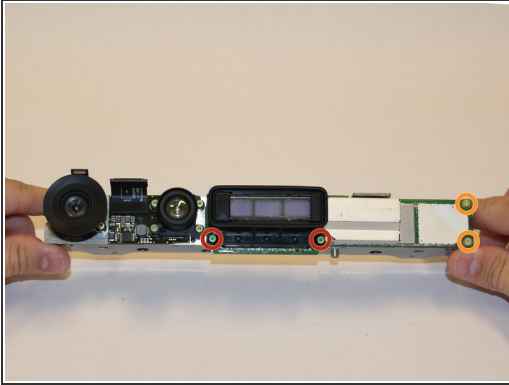
- Remove the eight 3.0x7.6 mm T9 screws from the motherboard.
- Peel away the plastic film from the motherboard using the spudger.
- Detach the ribbon cable leading to the color camera using the spudger.

Step 8



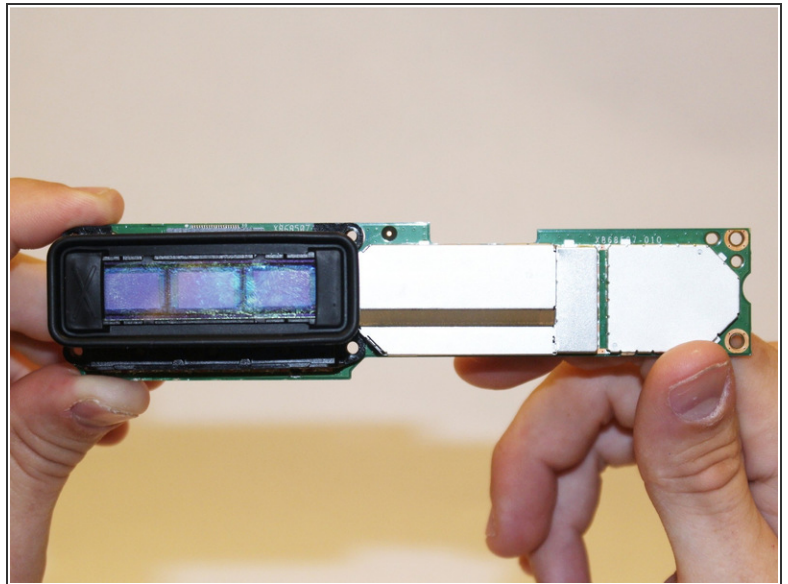
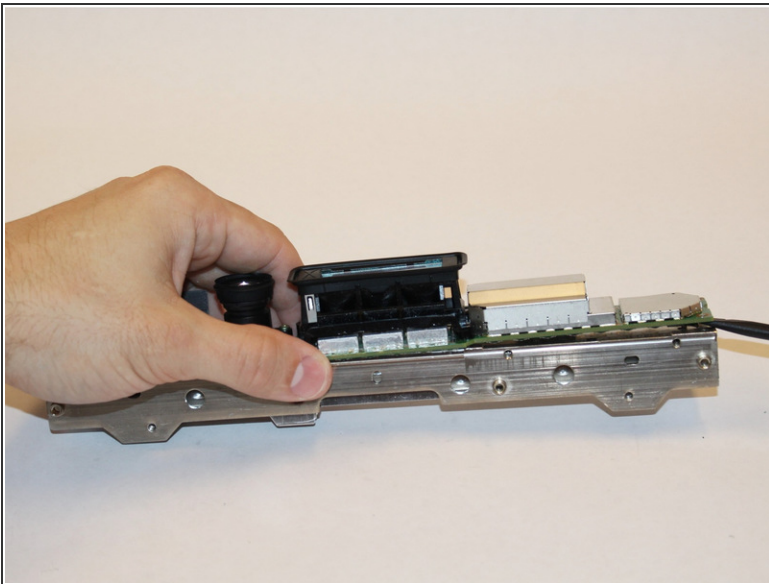
- Lift the motherboard and the heat sink assembly from the plastic shell. The components attached to the heat sink are now accessible.

Step 9 — Infrared Blasters



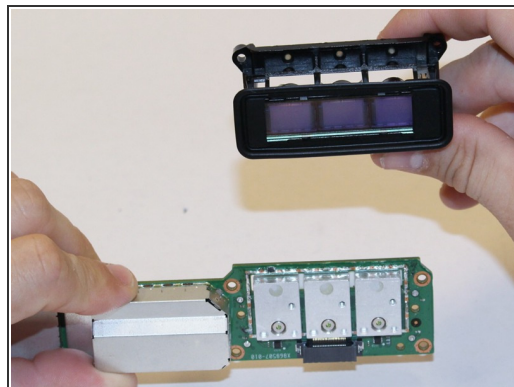
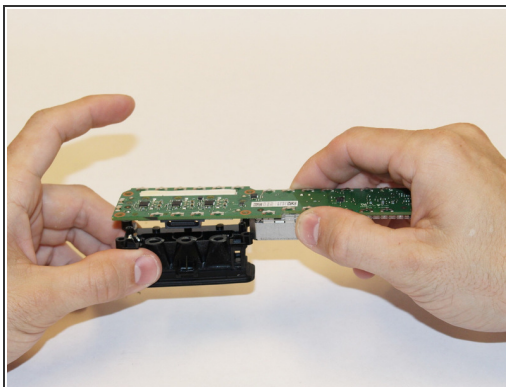
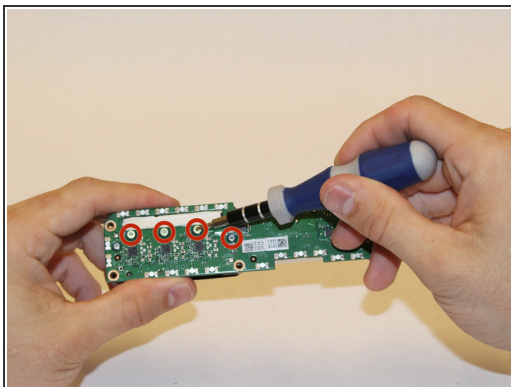
- Using a T5 torx driver, remove the four 1.9x10 mm screws on the corners of the blasters.
- Remove the two 1.9x5.1 mm T5 screws on the right-hand side of the board.

Step 10



- Using the spudger, detach the IR blaster board from the heatsink.

Step 11



- Remove the four 1.9x5.1 mm T5 screws from the back of the board.
- Gently remove the IR blasters from the board.
- Obtain replacement blasters.

To reassemble your device, follow these instructions in reverse order.

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